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(51) INT CL⁷
E21B 43/10 33/14 , F16L 13/14

(52) UK CL (Edition S)
E1F FJT FLA
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(56) Documents Cited
GB 2347952 A GB 2347950 A GB 2344606 A
GB 1137310 A EP 0881354 A WO 99/35368 A
WO 98/00626 A US 5924745 A US 4707001 A
US 4703959 A US 4648627 A US 4577895 A

(58) Field of Search
UK CL (Edition S) E1F F2J FLA, F2G
INT CL⁷ E21B , F16L
Online: WPI, EPODOC, JAPIO

US 4501443 A

(72) cont
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(74) continued overleaf

(54) Abstract Title

Wellbore casing with radially expanded liner extruded off of a mandrel

(57) An expandable threaded connection includes a first tubular member, a second tubular member and a threaded connection for coupling the tubular members that includes one or more sealing members.







Application No:

GB 0016917.7

Claims searched:

Examiner:

David Pepper

Date of search:

25 September 2000

Patents Act 1977
Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.R): ElF FJT, FLA

Int Cl (Ed.7): E21B

Other:

Online: WPI, EPODOC, JAPIO

Documents considered to be relevant:

| Category | Identity of document and relevant passage | | Relevant to claims |
|----------|---|-------------------------------------|-----------------------|
| X,E | GB 2347952 A | (Shell Int Research) | 1 |
| X,E | GB 2347950 A | (Shell Int Research) | 1 |
| X,E | GB 2344606 A | (Shell Int Research) | . 1 |
| х | EP 0881354 A | (Sofitech N.V.) | 1 |
| х | WO 99/35368 A | (Shell Int Research) - see figure 4 | 1 |
| х | WO 98/00626 A | (Shell Int Research) | 1 |
| | | | |

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- A Document indicating technological background and/or state of the art.

 P Document published on or after the declared priority date but before the
- filing date of this invention.

 Patent document published on or after, but with priority date earlier than, the filing date of this application.

X Document indicating lack of novelty or inventive step
 Y Document indicating lack of inventive step if combined with one or more other documents of same category.







Application No:

GB 0016917.7

43-52 Claims searched:

Examiner:

David Pepper

25 January 2001 Date of search:

Patents Act 1977 Further Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.S): F2G

Int Cl (Ed.7): F16L

Online: WPI, EPODOC, JAPIO Other:

Documents considered to be relevant:

| Category | Identity of document and relevant passage | | Relevant to claims |
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| Α | GB 1137310 A | (Commissariat a l'Energie Atomique) | |
| A | US 5924745 A | (Petroline Wellsystems Ltd) | - |
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| х | US 4648627 A | (Dril-Quip Inc) - see col 4, lines 25-39 | 43-45,47 |
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| A | US 4501443 A | (Mannesmann Aktiengesellschaft) | |
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Application No: Claims searched: GB 0016917.7

59-63

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David Pepper

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Patents Act 1977 Further Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK CI (Ed.S): EIF FLA

Int Cl (Ed.7): E21B

Online: WPI, EPODOC, JAPIO Other:

Documents considered to be relevant:

| Category | Identity of document and relevant passage | | Relevant to claims |
|----------|---|---|-----------------------|
| A,P | GB 2344606 A | (Shell Internationale Research Maatschappij B.V.) | · |

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